

AMENDMENTS TO THE CLAIMS

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

claims 1-25 (cancelled)

26. (Currently Amended) A tool comprising:

a mold having a surface for engaging a joint surface, the surface being a mirror image of the joint surface; and

a block that communicates with the mold; and

at least one guide aperture in the block, wherein the shape and/or position of at least one of the block and the guide aperture is based, at least in part, on one or more axes related to said joint.

27. (Original) The tool of claim 26 wherein the mold and the block are integrally formed.

28. (Currently Amended) The tool of claim 26 wherein the ~~mold is formed to conform to the joint surface on at least one surface~~ surface of the mold has a convex portion.

29. (Original) The tool of claim 26 wherein the mold has at least one aperture positioned below the at least one guide aperture in the block.

30. (Original) The tool of claim 26 wherein the mold and the block have a plurality of apertures therein.

31. (Original) The tool of claim 30 wherein a first aperture of a plurality of apertures is configured at an angle to a second aperture of a plurality of apertures.

32. (Original) The tool of claim 30 wherein the mold has at least one stabilizer on the surface that engages the joint surface.

33. (Original) The tool of claim 70 wherein the stabilizer is selected from the group consisting of pin, peg, post, and nub.

34. (Original) The tool of claim 26 wherein a surface of the mold that communicates with a surface of the block is configured to prevent at least one movement selected from the group consisting of axial, lateral and rotational.

35. (Original) The tool of claim 34 wherein the surface of the block that engages the mold is at least one of convex or concave.

36. (Original) The tool of claim 34 wherein the surface of the mold that engages the block is at least one of convex or concave.

37. (Original) The tool of claim 34 wherein the surface of at least one of the mold and block has an aperture for receiving at least one of a pin, post and peg located on a surface of the mold.

38. (Original) The tool of claim 37 wherein the aperture forms a groove providing rotational movement.

39. (Original) The tool of claim 37 wherein the mold is selected from a library of molds.

40. (Cancelled)

41. (Original) The tool of claim 36 wherein at least one of the mold and block has a reaming aperture.

42. (Original) The tool of claim 36 further comprising spacers.

43. (Original) The tool of claim 36 wherein block engages the mold in a snap fit.

44. (Original) The tool of claim 36 configured to be used in at least one of hip, knee, ankle, shoulder, elbow and wrist.

45. (Original) The tool of claim 36 configured to be used in a joint in the body.

46. (Cancelled)

47. (Cancelled)

48. (Currently Amended) A tool formed at least partially in situ comprising:

a mold formed in situ using at least one of an inflatable hollow device or a retaining device, the mold having a surface for engaging a joint surface, the surface being a mirror image of the joint surface to conform to the joint surface on at least one surface having a surface for engaging a joint surface;

a block that communicates with the mold; and

at least one guide aperture in the block wherein the shape and/or position of at least one of the block and the guide aperture is based, at least in part, on one or more axes related to said joint.

49. (Original) The tool of claim 48 wherein the mold has at least one aperture positioned below the at least one guide aperture in the block.

50. (Original) The tool of claim 48 wherein the mold and the block have a plurality of guide apertures therein.

51. (Original) The tool of claim 50 wherein a first aperture of a plurality of guide apertures is configured at an angle to a second aperture of a plurality of guide apertures.

52. (Original) The tool of claim 50 wherein the mold has at least one stabilizer on the surface that engages the joint surface.

53. (Original) The tool of claim 40 wherein the stabilizer is selected from the group consisting of pin, peg, post, and nub.

54. (Original) The tool of claim 48 wherein a surface of the mold that communicates with a surface of the block is configured to prevent at least one movement selected from the group consisting of axial, lateral and rotational.

55. (Original) The tool of claim 54 wherein the surface of the block that engages the mold is at least one of convex or concave.

56. (Original) The tool of claim 54 wherein the surface of the mold that engages the block is at least one of convex or concave.

57. (Original) The tool of claim 54 wherein the surface of at least one of the mold and block has an aperture for receiving at least one of a pin, post and peg located on a surface of the mold.

58. (Original) The tool of claim 57 wherein the aperture forms a groove providing rotational movement.

59. (Cancelled)

60. (Original) The tool of claim 48 wherein at least one of the mold and block has a reaming aperture.

61. (Original) The tool of claim 60 further comprising spacers.

62. (Original) The tool of claim 48 wherein block engages the mold in a snap fit.

63. (Original) The tool of claim 48 configured to be used in at least one of hip, knee, ankle, shoulder, elbow and wrist.

64. (Original) The tool of claim 48 configured to be used in a joint in the body.

65. (Cancelled)

66. (Cancelled)

67. (New) The tool according to claim 26, wherein said axes includes an anatomic axis.

68. (New) The tool according to claim 26, wherein said axis includes a biomechanical axis.

69. (New) The tool according to claim 26, wherein the surface has a concave portion.

70. (New) The tool according to claim 26, wherein the surface has a flat portion.

71. (New) The tool according to claim 26, wherein the surface has concave and convex portions.

72. (New) The tool according to claim 26, wherein the joint surface includes portions of at least one of a medial condyle and a lateral condyle.

73. (New) The tool according to claim 26, wherein the joint surface includes portions of at least one of a medial tibial plateau and a lateral tibial plateau.

74. (New) The tool according to claim 26, wherein said joint surface includes cartilage.

75. (New) The tool according to claim 26, wherein said joint surface includes subchondral bone.

76. (New) The tool according to claim 26, wherein the guide aperture is dimensioned to control drill depth.

77. (New) The tool according to claim 26, wherein the guide aperture includes a metal insert.

78. (New) The tool according to claim 26, further comprising attachment means for attaching the block to the mold.

79. (New) The tool according to claim 26, further comprising an adjustment mechanism for adjusting the position of the block relative to the mold.

80. (New) The tool according to claim 79, wherein the adjustment mechanism includes at least one of a hinge device, a jack device, and a ratchet device.

81. (New) The tool according to claim 48, wherein said axes includes an anatomic axis.

82. (New) The tool according to claim 48, wherein said axis includes a biomechanical axis.

83. (New) The tool according to claim 48, wherein the surface has a convex portion.

84. (New) The tool according to claim 48, wherein the surface has a concave portion.
85. (New) The tool according to claim 48, wherein the surface has a flat portion.
86. (New) The tool according to claim 48, wherein the surface has concave and convex portions.
87. (New) The tool according to claim 48, wherein the joint surface includes portions of at least one of a medial condyle and a lateral condyle.
88. (New) The tool according to claim 48, wherein the joint surface includes portions of at least one of a medial tibial plateau and a lateral tibial plateau.
89. (New) The tool according to claim 48, wherein said joint surface includes cartilage.
90. (New) The tool according to claim 48, wherein said joint surface includes subchondral bone.
91. (New) The tool according to claim 48, wherein the guide aperture is dimensioned to control drill depth.
92. (New) The tool according to claim 48, wherein the guide aperture includes a metal insert.
93. (New) The tool according to claim 48, further comprising attachment means for attaching the block to the mold.
94. (New) The tool according to claim 48, further comprising an adjustment mechanism for adjusting the position of the block relative to the mold.

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95. (New) The tool according to claim 94, wherein the adjustment mechanism includes at least one of a hinge device, a jack device, and a ratchet device.